

iHAS220

Internal 20X
DVD writer



Super AllWrite

iHAS220 20X DVD Writer

SMART-BURN

Features:



■ Best burning quality powered by SmartBurn*

SMART-BURN is a technology developed by Lite-On. It can automatically adjusting writing strategy & running OPC to provide the best burning quality and avoid Buffer Under Run error as well.

■ Super AllWrite

Super AllWrite is the new compatibility standard from Lite-On which allows the DVD writer to write to any disc media: **DVD +/- R(W), DVD-RAM and Double Layer**. Use your DVD writer for any purpose with the media you desire. Purchase your media without hassle; you no longer have to worry about compatibility! All new DVD writers from Lite-On are standard Super Allwrite, giving you a full range of options and applications for all your storing needs.

■ LightScribe

Make your mark. Be creative. It's your label. Your design, your images. Burn custom designs on your CDs and DVDs for gifts, or for easy organization of photos, music and everyday information. Use your own graphics, photos and text to make it yours. With LightScribe, it's your choice.

■ Serial ATA (SATA) Connection

Features Serial ATA (SATA) connectivity for higher transfer rates, future proof compatibility and better airflow in PC casings.

■ Other features:

- ◆ SMART-X** function adjusts CD-DA / VCD / DVD data extraction to a fastest allowable speed according to both data request rate from host and disk quality
- ◆ ABS system reduce vibration and noise during recording and reading
- ◆ Support Fixed Packet, Variable Packet, TAO, SAO, DAO, Random Access time, Incremental, sequential recording, restricted overwrite, Layer Jump recording, Raw Mode Burning & Over-Burn
- ◆ DVD read compliant: DVD single/dual layer (PTP/OTP), DVD-R(3.9GB/4.7GB), DVD-R multi-borders, DVD+R, DVD+R multi-sessions, DVD-RW, and DVD+RW
- ◆ CD read compliant: CD-DA, CD-ROM, CD-ROM/XA, Photo-CD, Multi-session, Karaoke-CD, Video-CD, CD-I FMV, CD Extra, CD Plus, CD-R, and CD-RW
- ◆ Support both 8cm and 12cm disc of CD and DVD family
- ◆ Conform to Orange Book: Part 2 CD-R Volume 1, Part 2 CD-R Volume 2 Multi Speed, Part 3 CD-RW Volume 1 (1x, 2x, and 4x), Part 3 CD-RW Volume2: High Speed, Part 3 CD-RW Volume 3: Ultra Speed
- ◆ Supported transfer mode: PIO mode 4 and Ultra DMA mode 5



* **SMART-BURN** : Smart Monitoring & Adapting Recording Technology for **BURN**ing.

** **SMART-X** : Smart Monitoring & Adjusting Read-speed Technology for **eX**traction.

LITEON®

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Technical Specifications

DVD Family	Write	
	DVD+R	20X maximum by CAV
	DVD-R	20X maximum by CAV
	DVD+R9	8X maximum by Zone CLV
	DVD-R9	8X maximum by Zone CLV
	DVD-RAM	12X maximum by PCAV
	ReWrite	
	DVD+RW	8X by Zone CLV
	DVD-RW	6X CLV
	Read	16X maximum by CAV
Access time		160ms
CD Family	Write	
	CD-R	48X by CAV
	ReWrite	
	CD-RW	32X maximum by Zone CLV in UltraSpeed disc
	Read	48X(7200KB/sec) maximum by CAV
Access time		140ms
LightScribe Labeling	CD-R Media	V1.2
	DVD+R Media	V1.2
Interface	Serial ATA	
Buffer Size	2MB	
PC Required	<p>Pentium 4 1.3GHz or higher CPU and 128MB or higher RAM are required</p> <p>HDD must have access time < 20ms; with a minimum of 650MB free space.</p> <p>9GB free space for creating a DVD image file (9GB for double layer; 5GB for single layer).</p>	
Compatibility	Microsoft Windows 2000 / XP / Vista	
MTBF (Life)	70000 POH	
General	Environment	
	Operating	5°C to 50°C; Relative Humidity: 15% to 80%
	Non-Operating	-40°C to 65°C; Relative Humidity: 15% to 95%
	Dimension	146(W) x 42(H) x 170(D) mm
	Weight	< 0.9Kg
	Voltage Requirements	
	+5V +/-5% and less than 100 mVp-p ripple voltage +12V +/-10% and less than 200 mVp-p ripple voltage	



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